

**Technical Data Sheet**

**Type:** Pearlcoat® 162K is an aromatic polyether-based thermoplastic polyurethane.

**Main Application:** Meltcoating

**Special Features:** Combining hardness with excellent low temperature flexibility and very good hydrolysis resistance.

**SAP-code:**VMG030N

Physical Properties	Value (Metric)	Unit	Test Method
Hardness	A/1 : 82	Shore A/D	ISO 868
Specific Gravity	1.11	g/cm <sup>3</sup>	ISO 2781
Tensile Strength	30	MPa	ISO 527-2/5A/500
Ultimate Elongation	550	%	ISO 527-2/5A/500
Tensile Stress at			
50 % Elongation	4	MPa	ISO 527-2/5A/500
100 % Elongation	5	MPa	ISO 527-2/5A/500
300 % Elongation	10	MPa	ISO 527-2/5A/500
Tear Strength Unnicked	68	kN/m	ISO 34-1B
Abrasion Resistance	25	mm <sup>3</sup>	ISO 4649-A

*Listed values are "typical (average) values" and should/can not be applied for specification purposes*

**See reverse side for processing information**

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## Material Preparation

Prior to processing, Pearlcoat® 162K must be dried at 90°C during 3 hours.  
It is recommended to dry the material in a dehumidifying-type dryer.  
Target dew point to be below -30°C, preferably -40°C.

## Recommended Temperature Profile:

	°C
Roll 1	160
Roll 2	170
Rubber Roll 3	not heated

For further information refer to Lubrizol Advanced Materials processing guides.

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